

Company Overview

At Ridgepoint Structural, we specialize in providing innovative structural engineering solutions for complex challenges. With over 30 years of combined expertise, our team offers a comprehensive range of services, including complete design packages (drawings, calculations, and specifications), structural evaluations, peer reviews, and construction engineering support. We pride ourselves on delivering precise, efficient designs with a strong commitment to client satisfaction. By fostering lasting relationships based on trust, clear communication, and collaboration, we ensure that each project is completed to the highest standards.

Core Services

- Commercial and Industrial Structures
- Oil and Gas Facilities
- Government and Public Sector Projects
- Education (DSA) and Healthcare (HCAI)
- Expertise in Steel, Concrete, Masonry, and Cold-Formed Steel Design
- Seismic Evaluation and Retrofit Design
- Foundations and Equipment Anchorage
- Stairs and Platforms
- Canopy and Awning Structures
- Independent Peer Reviews
- Construction Engineering Services

Leadership

David Hollinger, SE, PE
Principal and Co-Founder

David is a licensed Structural Engineer with 17 years of diverse experience in structural engineering across various market sectors including commercial, government, energy, educational (DSA), healthcare (HCAI) and oil and gas facilities. He has developed innovative design solutions for structures utilizing steel, concrete, masonry, aluminum, and wood, and has led numerous seismic designs and evaluations for both new and existing structures. As Principal and Co-Founder of Ridgepoint Structural, David is dedicated to driving technical excellence and seamless project delivery, ensuring exceptional outcomes for our clients.



Peter Jacobs, PE
Principal and Co-Founder

Peter is a licensed Professional Engineer with 12 years of diverse experience in structural engineering and project management. His expertise spans new building designs, seismic evaluations, and retrofitting existing structures. He has worked with both public agencies and private clients, to manage the design of government laboratories, transportation facilities, commercial buildings, and wastewater treatment plants. As Principal and Co-Founder of Ridgepoint Structural, Peter is committed to fostering strong client relationships through exceptional project delivery and clear, transparent communication.



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peter@ridgepointstructural.com



David Hollinger, SE, PE

Principal and Co-Founder

david@ridgepointstructural.com

Professional Experience:

08/2023 - Current	Ridgepoint Structural, Founder & Principal
10/2021 – 8/2023	Tepa Engineering Services, Senior Structural Engineer
01/2014 – 10/2021	AECOM, Project Engineer
07/2007 – 01/2014	Structural Technology Consultants, Project Engineer

Licensure / Registration:

Structural Engineer:

AZ: #75564

CA: #6175

HI: #PE-17672

UT: # 128776582203

Professional Engineer:

CA: #75980

FL: #75107

MO: #PE-2022014094

NM: #28163

TX: #143790

WA: #24000808

Areas of Expertise:

- Leading Project Design
- Seismic Design and Evaluation
- Steel, Concrete and Masonry Design
- Responsible-In-Charge
- Preparation of Construction Documents
- Structural Peer Review
- Construction Engineering Services

Education:

B.S. / Structural Engineering / 2007 /
University of California, San Diego

Mr. Hollinger is a licensed Structural Engineer with 17 years of diverse experience in structural engineering across various market sectors including commercial, government, energy, educational (DSA), healthcare (HCAI) and oil and gas facilities. He has developed innovative design solutions for structures utilizing steel, concrete, masonry, aluminum, cold-formed steel and wood. Mr. Hollinger has executed numerous seismic designs and evaluations for both new and existing structures. His expertise encompasses project leadership, structural design consultation, technical reviews, preparation of construction documents and construction engineering services.

Select Project Experience:

Engineer of Record, Jacobs Technology, Consulting and Design, NASA Ames Research Center, Mountain View, CA | 2023 - Current: Ridgepoint Structural provides expert structural consulting and design services to support the ongoing upgrades and maintenance of the 9-by-7-foot Supersonic Wind Tunnel (9x7 SWT) at NASA Ames Research Center. Mr. Hollinger works closely with mechanical and electrical engineers, conducts feasibility studies, delivers detailed engineering drawings and calculations, and provides continuous design and consultation for the construction of a new electrical substation. One key project involved a structural feasibility study for replacing the 15,000 hp Unitary Plan Wind Tunnel Clark make up air compressor (MUA) and its associated equipment. Mr. Hollinger reviewed existing structural drawings and performed preliminary analyses to assess the feasibility of installing replacement equipment, weighing approximately 285,000 pounds, in the existing space.

Engineer of Record, Building 3 Comprehensive Assessment, Tinker Air Force Base, Oklahoma City, OK | 2023: Led the structural assessment of Building 3, a 350,000 square foot wood-framed warehouse structure originally constructed in the 1940s. Worked involved reviewing as-built documents, conducting a site survey to document existing conditions and assess extensive structural damage, and coordinating with a materials testing firm. Additional tasks included performing a seismic assessment, evaluating code compliance, preparing design calculations, estimating construction costs, developing preliminary retrofit options and producing a comprehensive Planning Charrette Report.

Structural Lead and Engineer of Record, Stockton Regional Wastewater Control Facility, Stockton, CA | 2019 – 2021: Led the structural design and specification of two new masonry buildings, two Pre-Engineered Metal Building (PEMB) structures and a solar carport as part of a design-build project. Served as the Structural Engineer of Record for one PEMB and the solar carport. Designed and detailed key structural elements, including special reinforced masonry shear walls, concrete foundations, metal deck roof diaphragms, open web joist roof framing and equipment foundations. Emphasized the design of vertical and lateral resistance systems to withstand high seismic loads and support heavy rooftop equipment, ensuring optimal performance during seismic events. Directed the construction engineering service phase from 2020 to 2021, reviewing and responding to shop drawings, RFI's and submittals. Coordinated with inspectors and conducted site observations to verify compliance with contract documents.

Engineer of Record, Blattner Energy Support Facility, Avon, MN | 2017 – 2018: Led the structural design for a 54,000 square foot support facility, including a precast concrete warehouse, mechanic/weld shops, overhead bridge cranes, freestanding canopy structure, CMU utility rooms a two-story steel moment frame office structure, site retaining walls and an underground concrete fire water tank. Designed building systems (foundations, walls, roof, gravity, lateral), prepared construction documents, coordinated with multiple disciplines and provided construction engineering services.



Peter Jacobs, PE
Principal
peter@ridgepointstructural.com

Professional Experience:

08/2023 - Current	Ridgepoint Structural, Founder & Principal
12/2021 – 11/2022	AECOM, Structural Group Lead (NorCal B+P)
03/2015 – 12/2021	AECOM, Project Engineer
07/2012 – 07/2013	URS Corp, Structural Graduate Engineer
12/2011 – 07/2012	URS Corp, Structural Intern

Licensure / Registration:

Professional Engineer:

CA: #85613

Areas of Expertise:

- Structural Engineering
- Structural Plan Review / Permit Review
- Seismic Evaluation and Retrofit
- Seismic Design
- Group Management
- Project Management
- Responsible-In-Charge

Education:

M.S. / Structural Engineering / 2014 / Washington State University

B.S. / Civil Engineering / 2012 / California State University, Chico

Mr. Jacobs is a licensed Professional Engineer with 12 years of diverse experience in structural engineering and project management. His expertise spans new building designs, feasibility studies, seismic evaluations, and the retrofit of existing structures. He has worked with both public agencies and private clients, tackling projects in government laboratories, transportation facilities, commercial buildings, and wastewater treatment plants. His expertise includes the preparation of construction documents and calculation packages, project management of large multi-discipline designs, technical reviews, evaluations and assessments, and construction administration services. Mr. Jacobs works closely with the design team and the client to achieve creative and efficient solutions to complex engineering problems.

Select Project Experience:

Structural Lead, Jacobs Technology, Consulting and Design, NASA Ames Research Center, Mountain View, CA | 2023 - Current: Ridgepoint provides expert structural consulting and design services to support the ongoing upgrades and maintenance of the 9-by-7-foot Supersonic Wind Tunnel (9x7 SWT) at NASA Ames Research Center. Our role involves collaborating with the mechanical engineering team, conducting feasibility studies, and providing detailed engineering drawings and calculations. One key project involved analyzing (4) 24-inch diameter standpipes and manifolds supplying water to the wind tunnel's aftercoolers. Mr. Jacobs led the design of the new standpipes and the evaluation of the existing support structure. The standpipe replacement was successfully completed in Spring 2024.

Engineer of Record, [Confidential Client], Seismic Retrofit and Tenant Improvement, San Francisco Bay Area | 2021 - 2022: Led the design and implementation of foundation and anchorage solutions for more than 30 advanced research and development equipment units. These specialized systems necessitated isolated foundations, vibration-isolated anchorage points, and other unique design considerations. Extensive coordination with building stakeholders was required to ensure the safety and optimal performance of sensitive high-tech equipment. A voluntary seismic retrofit focusing on specific structural components and foundation improvements was also performed as part of the tenant improvement.

Engineer of Record, National Aeronautics and Space Administration (NASA) Seismic Risk Reduction, Mountain View, CA, NASA Ames Research Center | 2020 - 2021: Seismic risk reduction of Building N204A/N206A. Performed a Tier 1 and Tier 2 seismic evaluation and retrofit in accordance with ASCE/SEI 41-17. The buildings consisted of reinforced concrete shear walls with a reinforced concrete slab and horizontally diagonally steel braced diaphragms. Coordinated with two different building stakeholders to develop retrofit schemes to minimize impact to both buildings while increasing the seismic performance of both buildings. Managed 2 junior engineers, and 1 structural drafter to develop complete construction documents and structural calculations.

Structural Lead, Rialto Wastewater Treatment Plant No. 5 Expansion, Rialto, CA | 2018 - 2020: Structural lead for all wastewater treatment plant structures for a \$26m joint venture design/build contract. Structural design included 100-foot diameter concrete primary and secondary clarifiers, extension of an existing 330-foot-wide aeration basin, foundation and anchorage design for two Pre-Engineered Metal Buildings (PEMB), and a 7800 SF chlorine contact tank. Special design consideration was given to ensure water tightness of all concrete pour joints, as well as at locations of attachment to existing structures using post-installed water stops and concrete bonding agents. Responsible for overall structural design as well as responding to RFI's, submittals and providing engineering services during construction.